In Chay Mechanism of Partunition Respectfully Sutmitted To the Faculty of the Homoespathie Medical College of Permsylvania on the Thirtieth day of Fannay One thousand eight hundred and fifty then Geo. Bolton L. Clay of Philadelphia. Pa.

The Mechanism of Partuntion on considering the Muchanism of Partuntion, we find the district agents which we will consider separately. The repulsive force, The passages and The child.

First of the Expulsive Force. By the repulsive force is meant, that, which caused the chila to pass through the passages. The uterus is the immediate agent in this expulsive force. By its contractions the contents are expelled. although some authors demy the existence of mus cular files in the aterus, shih it performs muscular action, and in the attorneed Staps of pregnancy, a canful dessection will show muscular fibres, although

they cannot be easily traced in the unimpigma. ted State. The muscular action of the utered is involuntary; contractions many be brought on by holding the heath com - pulsing the aborninal muscles and bearing down, get when the contractions are trought on it is impossible for the pateent to prevent them; Get fright, anger, or any thing exciting to the mind may but a stop to them at once, even when at their height. Contractions of the uterus many be brought on by initation; sometimes after the child is delivered, the utens will not readily em - tract; by pichow or pulsure us timally, or by the introduction of Something anitating internally, contractions may be trought on and the utens will generally return to its neutural size.

By Pairis we mean the regular con-Machous of the uterus, at distinct intervals; and not the suffering which they cause to the patient. During the first Stage of Labour these panis are called "Cutting or Griding", from their peculiar character, and are coursed by the resistance, which the circular fibres offer to the longitudinal, or the forceble distention of the od aten & passages. after a while the circular fities are overcome; the os uten and passages are dilated, and the longitudinal files alow are called into action, whence they are called Bearing down pains. These constitute the seeme stage of labour. It is during this stage, that the patient assists the contractions of

the uterus by calling the voluntary muscles into action, by bearing down de. During each pain the uterus becomes hard from the contractions of its places. The characteristic of true latour pains is the fact, that they gradually in-- cuase in Seventy until they have reached their height, when they remain stationary for a few minutes and then quettly subside; between each pain there is a district interval, when there is perfect predom from pain. Of has already been menhoned that augu, fright, or the entrance of a strange overor, may be the cause of stopping the pains, which, when stopped,

May be postponed for several days, after the contractions of the uterus

an fully established, the voluntary muscles are called into a choir and the patient has letter or no power over them.

Second the Passages. Before going into an accurate description of the

passages it will be better to mention the different diameters of the pelvis and their changes. The diameters of the brim are as follows. The autero Posterior 4/2 inches. The Frans verso 5 14 niches. The Oblique I niches. The drawe tees of the outlet. anter Posterior 5 miches and Transverse 4 miches. By these meas wements it will be seen that the short diameter of the brim be - comes the long chameter of the outlit; and the long diameter of the him, the

Short deanie to of the outhor. These changes are gradual. The Soft parts file up, about half are inch each way and puseut little or not obstacle to the passage of the Child. The next to be considered are the aughs. These are formed by the elecute atom of the axes of the brim and outlet of the pelvis. An accurate knowledge of these is of great inportance. To the according

The first resistance the child meets with is the os ution. This is first poftened and lutricated by the mueous discharge, and then the bay of waters or Legior amini forming a wedge, gradually, die ate the part, until it is meanly of sufficient size to accommodate the head of the child, when it heads, either naturally or by the assistance

of the acconcheur, and the head itself enjages in the os utero, and by repeated efforts, at distinct intervals, during which it recedes again, it is at last enabled to pass through the os uten. When the Childs head comes in contract with the brim of the pelvis, it must adjust its if to the draweters of the brim. The longitudinal drain - ete of the head passing into the oblique diameter of the brim. When this is done. the Chila can only advance by a spiral movement, the long, diameter of the head gradually coming into the autro Posteror diameter of the outlet, as it approaches the external parts, which forms the next re sistance the childs head meets with. Duning this time, the duckin is changed from the axis of the bring, to that of the outlet.

In young females who have never born children, there is often much pain, and trouble, in dilating the external parts, then is also danger of the Pennium being bacerated. But this may generally he prevented by the acconcheur giving the proper assistance.

the three stages of Latour. The first ter - min ates when the as utin is fully dilated and the head has overcome the first resistance and is pairly in the cavity of the pelois. The second commences here and terminates when the external parts are dilated and the head has passed the external barrier, when there is little or no more trouber and the child is torn. The thirds is the diliting of the Placenta which sometimes hereuts

quat difficulties. In ordinary eased a few minutes after the cord is cut the Placenta wile be detached by the contractions of the uterus, when slight traction many he made upon the funis, and it will be delivered without trouble. The Child. He nest come to consider the part which the chila takes in the much ausin of Partinition. It is the object of Parhintion and purforms a pas. - sire part, by adjusting its elf to the banons diameters of the pelvis; it accelerates, and renders labour easier, mishout this adaptation, the Cheld could not be delivered, in the natural way. He poil give what an considera the general diameters of a well former head. The longitudinal diameter is 14/2 inches, The transverse 4 miches, The

-pond to the various diameters of the brim and outlet of the pelois. Beside the fact of the different diameters of the head adjusting themselves to the corresponding diameters of the polois, the compessability of the head and tody of the child facilitates its expulsion through the passages.

Maring now considered the theory agents assisting in the mechanism of Parkinhin we will consider the Mechanism of Parkinhin belf. By this is meant the ranois presentation has and the marmer in which week may properly to a favourable termination. There are generally emeddered to be six presentations. That side of the pelvis at which the heave appears at the lowest level is generally the one toward which the vertex or posterior

fortanelle points. By feeling on the Scalp with the finger the segriture sections many he felt, and by tracing it, if it meets two other sections, and no more, we know that it is the posterior fortanelle. But if instead of their sections there he four with a soft membranous spot selwen them, of a quadribativae shape, we then know it to be the autimor fortanelle.

Ale age in calling the first Presentation that in which the vertex or postino fortuneller is turned toward the left acetabulum. It is considered first because most frequently met with.

The Second is that in which the vertex is toward the right acetabulum, and the third in which the vertex is immediately behind the symphisis puts. These are called

the Occipits auticion from their pocition, The remaining these the Occipits Posterior, being fait the reverse of the others, or when in the fourth the vertex is at the right Sain Chair lynchondrosis. On the fifth toward the left and in the pixth, when it is immediately at the frommitters of the Sacrum.

The First and Seems presentation are these most presently net with anew most easily delivered. The others have to be cheryed to these positions generally, when the latour progresses easily.